



## SEQUENCE LISTING

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NAVAB, MOHAMAD

<120> ORALLY ADMINISTERED SMALL PEPTIDES SYNERGIZE STATIN ACTIVITY

<130> 407T-911270US

<140> US10/649,378  
<141> 2003-08-26

<150> US10/423,830  
<151> 2003-04-25

<150> US10/273,386  
<151> 2002-10-16

<150> US10/187,215  
<151> 2002-06-28

<150> US09/896,841  
<151> 2001-06-29

<150> US09/645,454  
<151> 2000-08-24

<150> US60/494,449  
<151> 2003-08-11

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<170> PatentIn version 3.3

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Phe Phe

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Phe Phe

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Phe Phe

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Ala Phe

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Phe Phe

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Phe Phe

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Phe Phe

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Phe Phe

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Phe Phe

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Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu Ala Phe  
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Ala Leu

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Phe Phe

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Phe Phe

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Phe Phe

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Phe Phe

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Phe Phe

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Phe Phe

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Ala Trp

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Ala Trp

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Phe Leu

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Ala Phe

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Phe Leu

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Ala Tyr

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Phe Leu

<210> 61

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<212> PRT

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Asp Trp Leu Lys Ala Phe Val Tyr Asp Lys Val Phe Lys Leu Lys Glu  
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Phe Phe

<210> 62

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Glu Trp Leu Lys Ala Phe Val Tyr Glu Lys Val Phe Lys Leu Lys Glu  
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Phe Phe

<210> 63

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Ala Phe

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Ala Phe

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Ala Phe

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Ala Phe

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Ala Phe

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Ala Phe

<210> 69  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 69

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Arg Glu  
1               5                   10                   15

Ala Phe

<210> 70  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 70

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys Leu Arg Glu  
1               5                   10                   15

Ala Phe

<210> 71

<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 71

Asp Trp Leu Lys Ala Phe Tyr Asp Arg Val Ala Glu Arg Leu Lys Glu  
1 5 10 15

Ala Phe

<210> 72  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 72

Glu Trp Leu Lys Ala Phe Tyr Glu Arg Val Ala Glu Arg Leu Lys Glu  
1 5 10 15

Ala Phe

<210> 73  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 73

Asp Trp Leu Arg Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Arg Glu  
1 5 10 15

Ala Phe

<210> 74  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 74

Glu Trp Leu Arg Ala Phe Tyr Glu Lys Val Ala Glu Lys Leu Arg Glu  
1                       5                       10                       15

Ala Phe

<210> 75  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 75

Asp Trp Leu Arg Ala Phe Tyr Asp Arg Val Ala Glu Lys Leu Lys Glu  
1                       5                       10                       15

Ala Phe

<210> 76  
<211> 18  
<212> PRT  
<213> Artificial

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 76

Glu Trp Leu Arg Ala Phe Tyr Glu Arg Val Ala Glu Lys Leu Lys Glu  
1                       5                       10                       15

Ala Phe

<210> 77  
<211> 18  
<212> PRT  
<213> Artificial

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 77

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Arg Leu Arg Glu  
1                   5                   10                   15

Ala Phe

<210> 78  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 78

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Ala Glu Arg Leu Arg Glu  
1                   5                   10                   15

Ala Phe

<210> 79  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 79

Asp Trp Leu Arg Ala Phe Tyr Asp Lys Val Ala Glu Arg Leu Lys Glu  
1                   5                   10                   15

Ala Phe

<210> 80  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 80

Glu Trp Leu Arg Ala Phe Tyr Glu Lys Val Ala Glu Arg Leu Lys Glu  
1 5 10 15

Ala Phe

<210> 81  
<211> 37  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 81

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu  
1 5 10 15

Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys  
20 25 30

Leu Lys Glu Ala Phe  
35

<210> 82  
<211> 37  
<212> PRT  
<213> Artificial

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 82

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu

1

5

10

15

Phe Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys  
20 25 30

Leu Lys Glu Phe Phe  
35

<210> 83  
<211> 37  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 83

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu  
1 5 10 15

Ala Phe Pro Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys  
20 25 30

Leu Lys Glu Ala Phe  
35

<210> 84  
<211> 37  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 84

Asp Lys Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Trp Ala Lys Glu  
1 5 10 15

Ala Phe Pro Asp Lys Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Trp  
20 25 30

Leu Lys Glu Ala Phe  
35

<210> 85  
<211> 37  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.  
  
<400> 85

Asp Lys Trp Lys Ala Val Tyr Asp Lys Phe Ala Glu Ala Phe Lys Glu  
1 5 10 15

Phe Leu Pro Asp Lys Trp Lys Ala Val Tyr Asp Lys Phe Ala Glu Ala  
20 25 30

Phe Lys Glu Phe Leu  
35

<210> 86  
<211> 37  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.  
  
<400> 86

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu  
1 5 10 15

Ala Phe Pro Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys  
20 25 30

Phe Lys Glu Ala Phe  
35

<210> 87  
<211> 37  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 87

Asp Trp Leu Lys Ala Phe Val Tyr Asp Lys Val Phe Lys Leu Lys Glu  
1 5 10 15

Phe Phe Pro Asp Trp Leu Lys Ala Phe Val Tyr Asp Lys Val Phe Lys  
20 25 30

Leu Lys Glu Phe Phe  
35

<210> 88

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 88

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Phe Ala Glu Lys Phe Lys Glu  
1 5 10 15

Phe Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Phe Ala Glu Lys  
20 25 30

Phe Lys Glu Phe Phe  
35

<210> 89

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 89

Glu Trp Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys Phe Lys Glu  
1 5 10 15

Ala Phe

<210> 90  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 90

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe  
1                       5                           10

<210> 91  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 91

Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu  
1                       5                           10

<210> 92  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 92

Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys Phe Lys Glu  
1                       5                           10

<210> 93  
<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 93

Asn Met Ala Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys  
1 5 10 15

Glu

<210> 94  
<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 94

Asn Met Ala Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys Phe Lys  
1 5 10 15

Glu

<210> 95  
<211> 21  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 95

Asn Met Ala Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys  
1 5 10 15

Phe Lys Glu Ala Phe  
20

<210> 96  
<211> 21  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 96

Asn Met Ala Glu Trp Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys  
1 5 10 15

Phe Lys Glu Ala Phe  
20

<210> 97  
<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 97

Asn Met Ala Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu Ala  
1 5 10 15

Phe

<210> 98  
<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 98

Asn Met Ala Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys  
1 5 10 15

Phe

<210> 99  
<211> 39  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 99

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu  
1 5 10 15

Phe Phe Asn Met Ala Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe  
20 25 30

Glu Lys Phe Lys Glu Phe Phe  
35

<210> 100

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 100

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu  
1 5 10 15

Phe Phe Asn Met Ala Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe  
20 25 30

Glu Lys Phe Lys Glu Phe Phe  
35

<210> 101

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 101

Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu Phe Phe Asn Met  
1 5 10 15

Ala Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu Phe Phe  
20 25 30

<210> 102  
<211> 31  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 102

Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu Phe Phe Asn Met  
1 5 10 15

Ala Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu Phe Phe  
20 25 30

<210> 103  
<211> 31  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 103

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Asn Met  
1 5 10 15

Ala Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe  
20 25 30

<210> 104  
<211> 31  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 104

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Asn Met  
1 5 10 15

Ala Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe  
20 25 30

<210> 105  
<211> 31  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 105

Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu Asn Met  
1 5 10 15

Ala Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu  
20 25 30

<210> 106  
<211> 31  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 106

Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu Asn Met  
1 5 10 15

Ala Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu  
20 25 30

<210> 107  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 107

Asp Lys Trp Lys Ala Val Tyr Asp Lys Phe Ala Glu Ala Phe Lys Glu  
1 5 10 15

Phe Leu

<210> 108  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 108

Asp Lys Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Trp Ala Lys Glu  
1. 5 10 15

Ala Phe

<210> 109  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 109

Lys Arg Ser  
1

<210> 110  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 110

Lys Arg Thr  
1

<210> 111  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 111

Trp Arg Ile

1

<210> 112

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 112

Trp Arg Leu

1

<210> 113

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 113

Phe Arg Ile

1

<210> 114

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 114

Phe Arg Leu

1

<210> 115

<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 115

Lys Glu Ser  
1

<210> 116  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 116

Lys Glu Thr  
1

<210> 117  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 117

Lys Asp Ser  
1

<210> 118  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 118

Lys Asp Thr

1

<210> 119  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 119

Lys Arg Ser  
1

<210> 120  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 120

Lys Arg Thr  
1

<210> 121  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 121

Leu Glu Ser  
1

<210> 122  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 122

Leu Glu Thr  
1

<210> 123  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 123

Trp Arg Ser  
1

<210> 124  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 124

Trp Asp Ser  
1

<210> 125  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 125

Trp Glu Ser  
1

<210> 126  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 126

Trp Arg Ser  
1

<210> 127

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 127

Lys Glu Leu  
1

<210> 128

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 128

Leu Arg Ser  
1

<210> 129

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 129

Leu Asp Ser  
1

<210> 130

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 130

Leu Glu Ser

1

<210> 131

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 131

Leu Arg Ser

1

<210> 132

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 132

Leu Arg Thr

1

<210> 133

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 133

Glu Asp Tyr

1

<210> 134

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 134

Lys Arg Ser

1

<210> 135

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 135

Trp Arg Ile

1

<210> 136

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 136

Trp Arg Leu

1

<210> 137

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or

unprotected D or L form.

<400> 137

Phe Arg Ile  
1

<210> 138

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 138

Phe Arg Leu  
1

<210> 139

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 139

Trp Arg Phe  
1

<210> 140

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 140

Trp Arg Tyr  
1

<210> 141

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 141

Trp Arg Phe

1

<210> 142

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 142

Trp Arg Tyr

1

<210> 143

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>

<221> misc\_feature

<222> (1)...(1)

<223> Xaa is ornithine

<400> 143

Xaa Arg Ser

1

<210> 144

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 144

Lys Arg Ser  
1

<210> 145  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 145

Lys Arg Thr  
1

<210> 146  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 146

Leu Asp Thr  
1

<210> 147  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 147

Leu Glu Thr  
1

<210> 148  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 148

Leu Arg Thr  
1

<210> 149  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>  
<221> misc\_feature  
<222> (1)...(1)  
<223> Xaa is ornithine.

<400> 149

Xaa Arg Ser  
1

<210> 150  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>  
<221> misc\_feature  
<222> (1)...(1)  
<223> Xaa is ornithine.

<400> 150

Xaa Asp Ser  
1

<210> 151  
<211> 3  
<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Xaa is ornithiine

<400> 151

Xaa Glu Ser

1

<210> 152

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Xaa is ornithine.

<400> 152

Lys Arg Ser

1

<210> 153

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 153

Lys Arg Thr

1

<210> 154

<211> 3

<212> PRT  
<213> Artificial Sequence

<220>

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Lys Glu Ser  
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<210> 155

<211> 3

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Lys Glu Thr  
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<210> 156

<211> 3

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<210> 157

<211> 3

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Lys Glu Leu  
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<210> 162

<211> 3

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<210> 163

<211> 3

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<210> 164

<211> 3

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<210> 165

<211> 3

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<210> 166

<211> 3

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Lys Glu Leu

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<210> 167

<211> 3

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Lys Asp Ser

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<210> 168

<211> 3

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<210> 169

<211> 3  
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<210> 174  
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<210> 177  
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Trp Glu Ile  
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<210> 179

<211> 3

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<210> 181

<211> 3

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Trp Glu Phe

1

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Trp Asp Phe

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Trp Asp Tyr

1

<210> 188  
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Trp Arg Tyr

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<210> 189  
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unprotected D or L form.

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<210> 190

<211> 3

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<210> 191

<211> 3

<212> PRT

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<210> 192

<211> 3

<212> PRT

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<210> 193

<211> 3

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<400> 193

Phe Arg Xaa

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<210> 194

<211> 3

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<213> Artificial Sequence

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Phe Glu Xaa

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<210> 195

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<220>

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<223> Xaa is norleucine.

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Phe Asp Xaa

1

<210> 196

<211> 3

<212> PRT

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<220>

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Glu His Tyr

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<210> 197

<211> 3

<212> PRT

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Leu His Ser

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<210> 198

<211> 3

<212> PRT

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Leu His Thr

1

<210> 199

<211> 3

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<210> 200

<211> 3

<212> PRT

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<210> 201

<211> 3

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Lys His Leu  
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<210> 202

<211> 3

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Lys His Ser  
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<210> 203

<211> 3

<212> PRT

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<210> 204

<211> 3

<212> PRT

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Lys His Leu

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<210> 205

<211> 3

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<220>

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<220>

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<223> Xaa is ornithine.

<400> 205

Xaa His Ser

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<210> 206

<211> 3

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<220>  
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<223> Xaa is norleucine.

<400> 209

Phe His Xaa  
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<210> 210

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<210> 211

<211> 3

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<210> 213

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Trp His Phe

1

<210> 214

<211> 3

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<210> 215

<211> 3

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Phe Lys Leu

1

<210> 216

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Lys His Ser

1

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<210> 218  
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Leu His Ser  
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<210> 220  
<211> 3  
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<220>

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1

<210> 223  
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<220>

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Lys His Leu

1

<210> 224  
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<220>

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1

<210> 225

<211> 3

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<213> Artificial Sequence

<220>

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Lys His Thr

1

<210> 226

<211> 3

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<220>

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Xaa His Ser

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<210> 227

<211> 3

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<210> 230  
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<210> 231

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Trp His Tyr

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<211> 3  
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Lys His Ser  
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Lys His Thr  
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<210> 238  
<211> 4  
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<400> 238

Lys Arg Asp Ser

1

<210> 239

<211> 4

<212> PRT

<213> Artificial Sequence

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<400> 239

Lys Arg Asp Thr

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<210> 240

<211> 4

<212> PRT

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<210> 241

<211> 4

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<400> 246

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<210> 249

<211> 4

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<210> 250

<211> 4

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<210> 251

<211> 4

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<213> Artificial Sequence

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<210> 252

<211> 4

<212> PRT

<213> Artificial Sequence

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<400> 252

Phe Asp Arg Xaa  
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<210> 253  
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<220>  
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<220>  
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<400> 253

Phe Glu Arg Xaa  
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<210> 254  
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<400> 254

Lys Glu Arg Ser  
1

<210> 255  
<211> 4  
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<220>  
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<210> 256

<211> 4

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<220>

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<400> 256

Lys Asp Arg Ser  
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<210> 257

<211> 4

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<213> Artificial Sequence

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<400> 257

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<210> 258

<211> 4

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<210> 259

<211> 4

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<210> 260

<211> 4

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<210> 261

<211> 4

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<210> 262

<211> 4

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Trp Arg Asp Ser

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<210> 263

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Trp Arg Glu Ser  
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<211> 4  
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<400> 266

Lys Glu Arg Leu

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<211> 4  
<212> PRT  
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<210> 274  
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Trp Arg Asp Ile

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<210> 275

<211> 4

<212> PRT

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Trp Arg Asp Leu

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<210> 276

<211> 4

<212> PRT

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<220>

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Phe Arg Asp Ile

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<210> 277

<211> 4

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<213> Artificial Sequence

<220>

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<400> 277

Phe Arg Asp Leu

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<210> 278  
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<213> Artificial Sequence

<220>  
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<400> 278

Trp Arg Asp Phe  
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<210> 279  
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<212> PRT  
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<220>  
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<400> 279

Trp Arg Asp Tyr  
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<210> 280  
<211> 4  
<212> PRT  
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<220>  
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<210> 281  
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<220>  
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<400> 281

Trp Arg Asp Tyr

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<210> 282  
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<220>  
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<400> 282

Xaa Arg Glu Ser

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<220>

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<400> 283

Lys Arg Asp Ser

1

<210> 284  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>

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<400> 284

Lys Arg Asp Thr

1

<210> 285

<211> 4  
<212> PRT  
<213> Artificial Sequence

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<400> 285

Leu Asp Arg Thr  
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<210> 286  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
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<400> 286

Leu Glu Arg Thr  
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<210> 287  
<211> 4  
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<220>  
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<400> 287

Leu Arg Glu Thr  
1

<210> 288  
<211> 4  
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<220>  
<221> misc\_feature

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<223> Xaa is norleucine.

<400> 288

Xaa Arg Asp Ser  
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<210> 289  
<211> 4  
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<223> Xaa is norleucine.

<400> 289

Xaa Asp Arg Ser  
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<223> Xaa is norleucine.

<400> 290

Xaa Glu Arg Ser  
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<220>  
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<400> 291

Xaa Arg Glu Ser

1

<210> 292  
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<400> 292

Lys Arg Asp Ser

1

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<211> 4  
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<400> 293

Lys Arg Asp Thr

1

<210> 294  
<211> 4  
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<210> 295

<211> 4

<212> PRT

<213> Artificial Sequence

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1

<210> 296

<211> 4

<212> PRT

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Lys Asp Arg Ser

1

<210> 297

<211> 4

<212> PRT

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Lys Asp Arg Thr

1

<210> 298

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

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<210> 299

<211> 4

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<210> 300

<211> 4

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<210> 301

<211> 4

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<210> 302

<211> 4

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<400> 304

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<210> 306  
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Lys Arg Glu Ser  
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<210> 310

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<210> 311

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<210> 312

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<210> 313

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Lys Glu Arg Thr

1

<210> 314

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1

<210> 315

<211> 4

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Lys Asp Arg Thr

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<400> 319

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<220>  
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<400> 320

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<400> 321

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<223> Xaa is ornithine.

<400> 322

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<220>  
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<400> 323

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<400> 324

Xaa Arg Asp Thr  
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<220>  
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<400> 325

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<210> 326

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<223> Xaa is ornithine.

<400> 326

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<210> 327

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Trp Arg Glu Leu  
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<210> 332  
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Trp Glu Arg Leu  
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1

<210> 337

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<210> 338

<211> 4

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<400> 338

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<400> 339

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<400> 341

Trp Glu Arg Phe  
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<210> 343  
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<400> 343

Trp Arg Glu Tyr

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<210> 344

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<400> 344

Trp Glu Arg Tyr

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<210> 345

<211> 4

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<210> 346

<211> 4

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<400> 346

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<210> 347

<211> 4

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<213> Artificial Sequence

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unprotected D or L form.

<400> 347

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<210> 348  
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<210> 349  
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<220>  
<221> misc\_feature  
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<400> 349

Phe Arg Asp Xaa  
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<210> 350  
<211> 4  
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<220>  
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<222> (4)..(4)  
<223> Xaa is norleucine.

<400> 350

Phe Arg Glu Xaa  
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<210> 351  
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<210> 352  
<211> 4  
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<220>  
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Phe Asp Lys Leu  
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<210> 353  
<211> 4  
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<400> 353

Phe Lys Glu Leu  
1

<210> 354  
<211> 4

<212> PRT  
<213> Artificial Sequence

<220>

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Phe Glu Lys Leu  
1

<210> 355  
<211> 4  
<212> PRT  
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<220>

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<400> 355

Phe Lys Asp Ile  
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<220>

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<400> 359

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<210> 385

<211> 4

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<210> 439  
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<210> 446

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<210> 447

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<220>  
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Ala Phe

<210> 452

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Ala Phe

<210> 453

<211> 18

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Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu  
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Ala Phe

<210> 454

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<212> PRT

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<400> 454

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Ala Phe

<210> 455

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Ala Phe

<210> 456

<211> 18

<212> PRT

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Ala Phe

<210> 457

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 457

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Ala Phe

<210> 458

<211> 18

<212> PRT

<213> Artificial Sequence

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Ala Phe

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Ala Phe

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Ala Phe

<210> 463

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Ala Phe

<210> 464

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Ala Phe